SAMS EPIDEMIOLOGICAL WIZARD (EPIWIZ)
USER'S GUIDE

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Section 1. Introduction

1.1 Purpose of the EPIWIZ User's Guide. The objective of the User's Guide is to provide medical personnel the information necessary to effectively use the SAMS(Shipboard Non-Tactical ADP Program (SNAP) Automated Medical System) Epidemiological Wizard (EPIWIZ). In addition, this guide will supply users with a detailed description of the basic structure and features of the system.

1.2 Objectives of the EPIWIZ Program. Deployment Medical surveillance is a critical component of Force Health Protection. The goal of this effort is to provide medical personnel easy access to shipboard sick-call information to monitor trends, prevent injuries and·diseases, facilitate reporting, and enhance medical outcomes.

1.3 Background and References. The following references provide technical and background information.

    a)   The Naval Health Research Center (NHRC) study of the workloads of shipboard independent duty corpsmen (IDCs) established a requirement for computer support for shipboard medical departments and led to OPNAVINST 6400.1A.

    b)   Epidemiological Interactive System (EPISYS), developed at NHRC, provides menu-driven access to Navy inpatient data.

    c)   CAPT Beddard (EPMU-5) requested assistance with the development of an NHRC extract from the Shipboard Non-Tactical ADP Program (SNAP) Automated Medical System (SAMS), Version 8.

    d)   Bureau of Medicine Instructions; BUMEDINST 6440.5A CH-1 and BUMEDINST 6440.6 were used in the development of EPIWIZ.

Section 2. EPIWIZ System Summary

2.1 EPIWIZ Application. The goal of EPIWIZ is to enhance medical readiness by converting SAMS medical encounter data into meaningful surveillance information. This application is designed as an interface between SAMS and the Microsoft® Office for Windows,97, (SR-2 Copyright© 1985-1997) applications PowerPoint, Excel, and Word. A data dictionary was created to decipher data stored in SAMS. This capability allows the user to have enhanced capabilities, such as building customized queries, generating standardized reports, and designing briefs and presentations using pivot tables, charts, graphs.

2.2 Programming Language. EPIWIZ is written using Microsoft® Visual FoxPro 6.0 (SP3, Copyright© 1988-1999 [FoxPro]). FoxPro uses a database management (DBM) approach to ensure consistency of information collected, locate where information is stored, and determine how data are processed. FoxPro was chosen to ensure compatibility between EPIWIZ and SAMS.

2.3 Security/Privacy. There is no security module with this program. Security is the responsibility of the user's system administrator. Data should be collected and stored using the guidelines of the 1974 Privacy Act.

2.4 Flexibility. Since EPIWIZ was created using the FoxPro utilities, enhancements and updates to the system can be accomplished with minimal programming. Information gathered and collected can be transferred to and from SAMS, such as the SAMS shipboard rosters. Additionally, it can be used with spreadsheet, graphics, and word processing applications.

2.5 Maintenance. The primary maintenance function consist of an Archive function, which allows the user to back up and delete old files while retaining key file and format definitions.

2.6 System Organization. EPIWIZ was developed for the user with minimal familiarity with computers. The program has five main menus, shown in Figure 1, which include (1) System, (2) Edit, (3) Update, (4) Query, and (5) Report.

2.7 System Menu Options. The System menu is operated using either a mouse or the keyboard to select the menu options described in Section 3. These options include the Calculator, Calendar/Diary, and Quit function.

Section 3. Accessing the System

3.1 Creating a Desktop Icon. After the package has been installed (see Appendix C Installation Guide) create a desktop icon. Note: the default directory is the SAMS EPIWIZ directory (c:\smwiz_nt). To place an icon on the desktop:

1. Click on the right mouse button on an empty space on your desktop.
2. Select **New.**
3. Select **Shortcut.**
4. A new screen will open and ask for the location and name of the item. Search for the item (smwiz_nt.exe).
5. Click the **Next** button.
6. Select a name for this shortcut. Enter the name you want to call this package (i.e., **SAMS EPIWIZ** or **EPIWIZ**).
7. Then select **Finished**. The icon is now on the desktop and the package is ready to run.

3.2 Getting Started. When you click on the desktop icon, the following screen will appear.
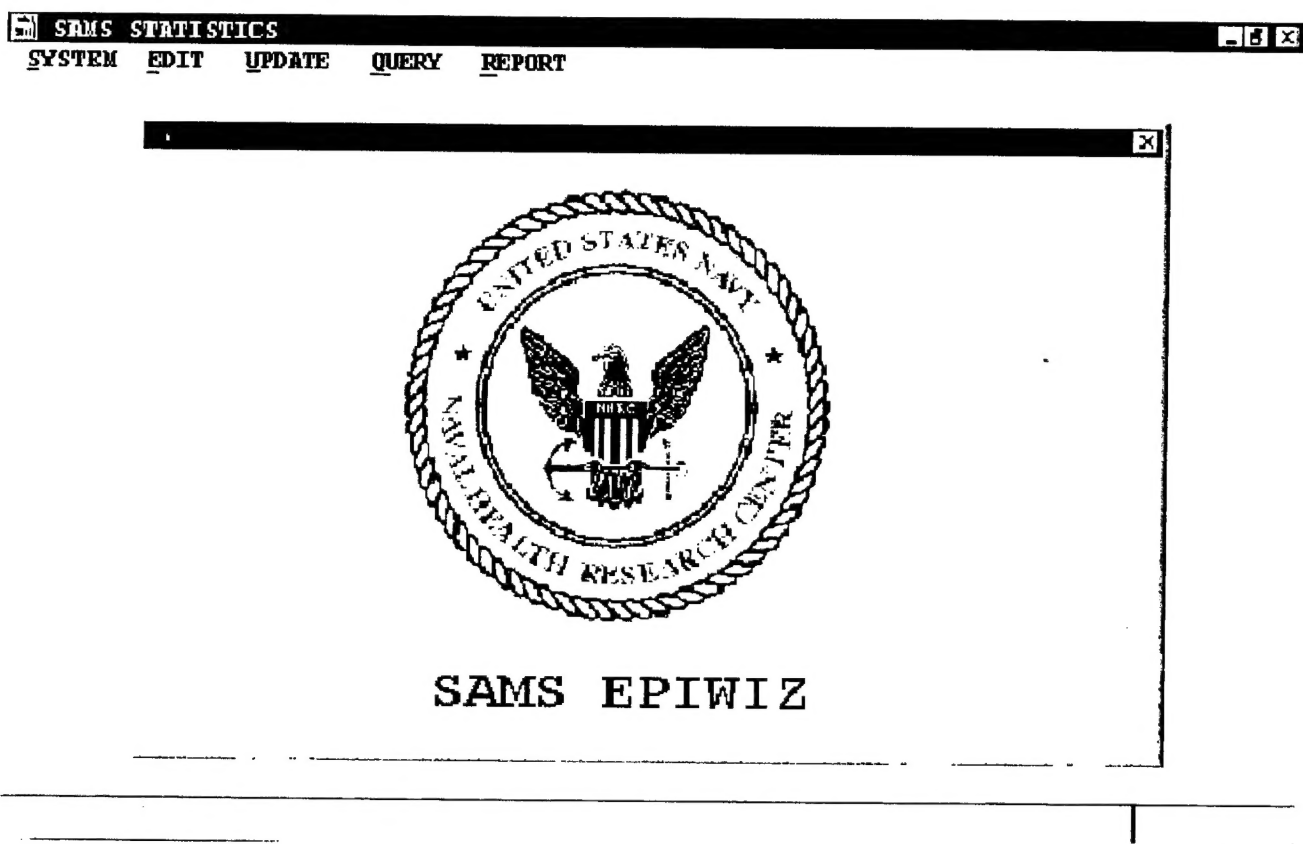
Figure 1. Main menu

3.3 Exiting the System. Choose **Quit** from the **System** menu to exit the program. If any windows are left open, the system will ask if the user wants to close them.

```
[⊡] SAMS STATISTICS                                              _ 🗗 ✕
 SYSTEM   EDIT   UPDATE   QUERY   REPORT
  QUIT
```

```
┌─────────────────────────────────────┐
│█████████████████████████████████████│
│                                       │
│     End of Session. Thank You!!!      │
│                                       │
│                                       │
└─────────────────────────────────────┘
```

3.4 Mouse Techniques.

    Point - Position the pointer at the specific location on the screen. When moving the mouse, the pointer moves in a similar manner.

    Click - Point to an object then press and release the mouse button once.

    Double-click - Point to an object then press and release the mouse button twice in rapid succession. To select an immunization from the readiness list you must double-click on the check box.

    Drag - Hold the mouse button down, roll the mouse until the pointer is in the desired location, and release the mouse button.

3.5   Choosing a Menu.

Keyboard:

1.   Press the **Alt** key to select the first menu pad,
      then press the **Right** or **Left** arrow keys to select
      other menu pads on the menu bar. Or press the **Alt**
      key in conjunction with the highlighted letter of
      the menu pad.
2.   Press Enter to display the menu popup window.
3.   Press the **Up** or **Down** Arrow keys to select an
      option. Press Enter to choose the option or enter
      the highlighted letter of the option and press
      Enter.

Mouse:

1.   Point to the menu pad and click the left mouse button to
      display the menu popup window.
2.   Point to the desired option and click the left mouse button.

3.6   Scrolling a list.

Keyboard:

1.   Tab to the list.
2.   Press the **Down** arrow key or **UP** arrow key.

Mouse:

1. Click on the **Up** or **Down** arrow on the scroll bar.
2. Holding down the mouse button will cause the scrolling to
   continue until released.

3.7   Choosing a Check Box, Radio Button, or Push Button.

Keyboard:

1.   Tab to the check box, radio button, or push button.
2.   Press Enter.

Mouse:

1.   Point to the check box, radio button, or push button.
2.   Click the left mouse button.

Section 4. Program Transactions (EPIWIZ)

There are three major functions under EPIWIZ: SAMS Update, Query, and Report.

4.1   SAMS Update. This function takes the data elements needed for the Medical Event Report (6220.12A) and the Weekly Disease and Non-Battle Injury (DNBI) Report from the various SAMS files and compiles them into a database. After all of the records from SAMS are compiled, this function allows the user to view the records. To close the window click on the X in the right-hand corner. This function will not change any of the SAMS data.

4.1.1   Select the Update option. When the Update option is selected, the open window is displayed. Select the drive containing the NHRC data disk. It is usually in the A drive.

Open	? X
Look in:	Smwiz_nt

Backup   Progs
Class   Query
Data   Temp
Doc   Example
Forms
Graphic
Menu
Netsetup

Data file [   ]   Select

Files of type: [*.z*   ▼]   Cancel

                                      Help
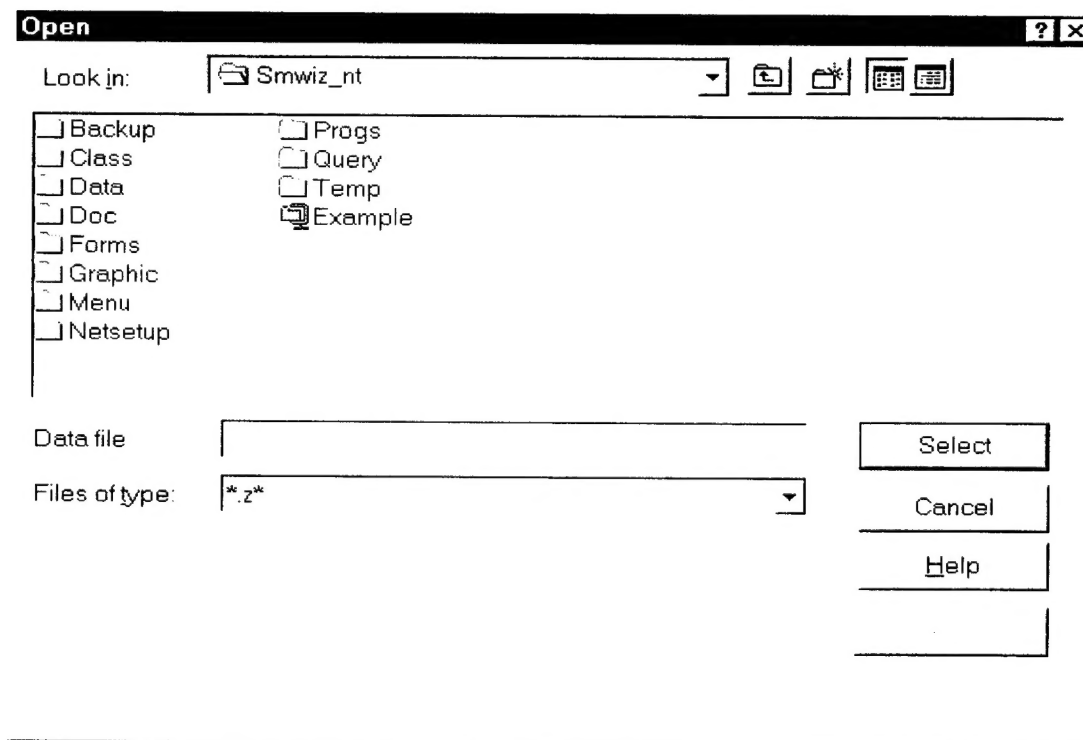
4.1.2 Select the file from the drive containing the data. The package
will transfer it to a WinZip™ file. The naming convention for the
zip file is Nhr and the ship's Unit Identification Code (UIC)
(Nhr20967). Select the file if correct, chick on the Select button
or return to the main menu by clicking on the Cancel button.
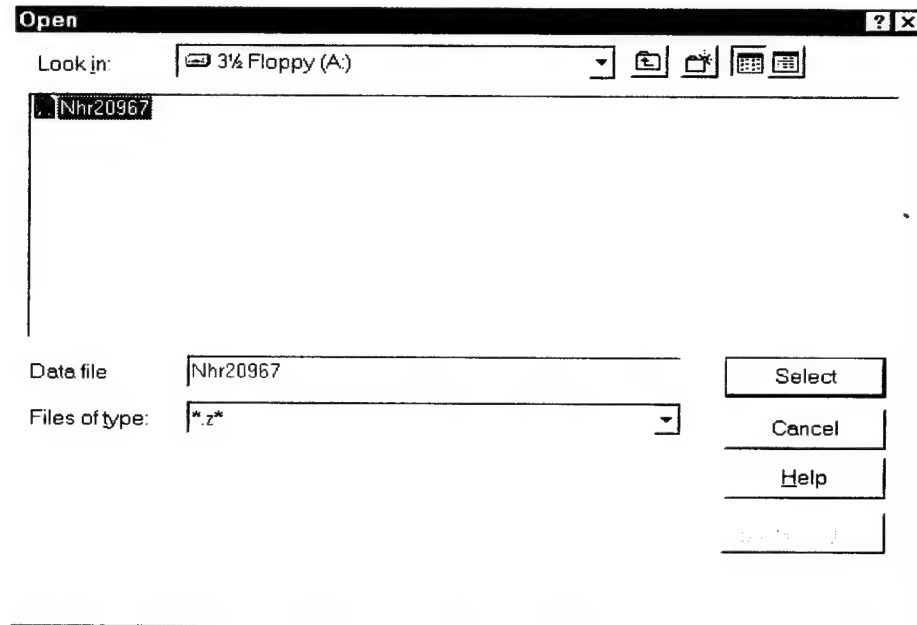
4.1.3 WinZip will show the SAMS files. Select the Extract function. If
this screen does not come up then see Section 5.2 WinZip Error
Messages.
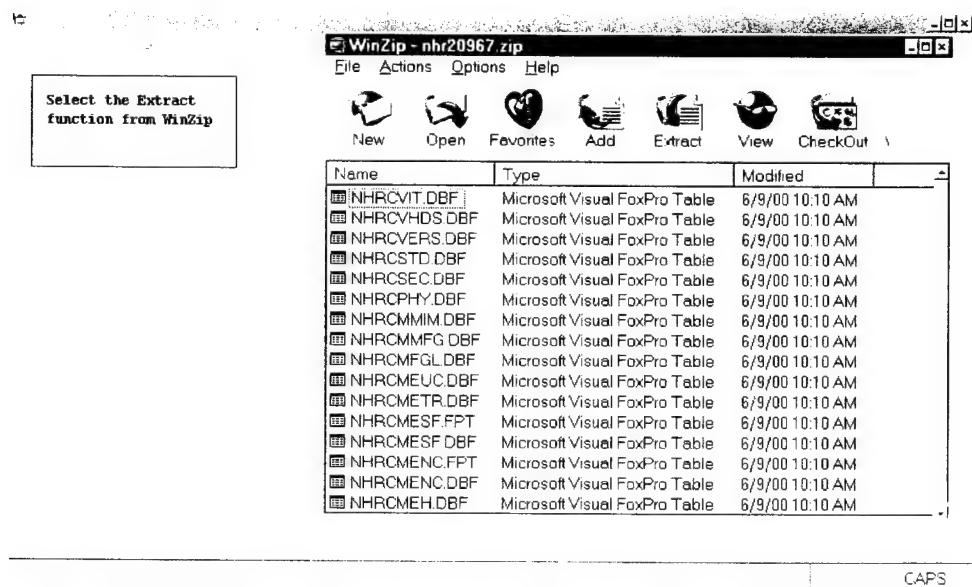
4.1.4 Click on Extract when this window appears. Make sure the Use Folder Names box is not checked.

```
┌─ Extract ─────────────────────────────────────────────────────── × ┐
│                                                                     │
│  Extract To:                  Folders/Drives:          ┌─────────┐  │
│  ┌─────────────────┐ ┌──┐     ⊟ 🖳 My Computer      ▲  │ Extract │  │
│  │ C:\Smwiz_nt\TEMP │▼│ │→ │      ⊞ 💾 3½ Floppy (A:)    └─────────┘  │
│  └─────────────────┘ └──┘      ⊞ 🖴 Pc190 (C:)         ┌─────────┐  │
│   ─ Files ──────────────        ⊞ 💿 (D:)              │ Cancel  │  │
│                                 ⊞ 🖴 Removable Disk (E:) └─────────┘  │
│   ○ Selected Files              ⊞ 🖴 (F:)                             │
│   ⦿ All Files                   ⊞ 🖳 PCShare on 'Pc8' (K:)  ┌──────┐ │
│   ○ Files: ┌──────────┐         ⊞ 🖳 Pearsall on 'Pc8' (L:)  │ Help │ │
│           └──────────┘          ⊞ 🖳 MacNT on 'Pc8' (M:)    └──────┘ │
│                                 ⊞ 🖳 PCCommon on 'Pc8' (N:)          │
│   □ Overwrite Existing Files    ⊞ 🖳 Anonymous on 'pc4' (O:)         │
│                                 ⊞ 🖳 APRS_System on 'pc9' (T:) ▼  ┌──────────┐│
│   □ Skip Older Files                                          │New Folder...││
│   □ Use Folder Names                                         └──────────┘│
└─────────────────────────────────────────────────────────────────┘
```
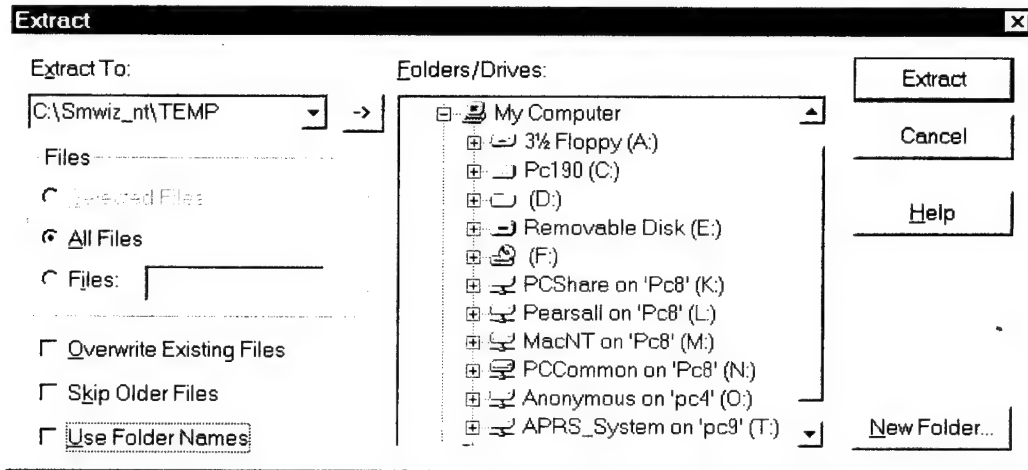
4.1.5 After the files are extracted, the light will be green and will appear on the bottom of the WinZip window. Select File Exit to quit WinZip.

```
┌─ WinZip ──────────────────────────────────────────────── _ □ × ┐
│ File  Actions  Options  Help                                    │
│ ┌──────────────────────────────────┐                           │
│ │ New Archive..        Ctrl+N       │  🖼   🔴                   │
│ │ Open Archive...      Ctrl+O       │      Wizard               │
│ │ Favorite Zip Folders.  Ctrl+F     │  ─────────────            │
│ │ Close Archive        Ctrl+L       │ ked    Path               │
│ ├──────────────────────────────────┤                           │
│ │ Information...                    │                           │
│ │ Create Shortcut                  │                           │
│ ├──────────────────────────────────┤                           │
│ │ Move Archive..       F7           │                           │
│ │ Copy Archive...      F8           │                           │
│ │ Rename Archive.      Ctrl+R       │                           │
│ │ Delete Archive...                │                           │
│ ├──────────────────────────────────┤                           │
│ │ Wizard...            Ctrl+W       │                           │
│ ├──────────────────────────────────┤                           │
│ │ Mail Archive         Ctrl+M       │                           │
│ ├──────────────────────────────────┤                           │
│ │ Exit                 Alt+F4       │                           │
│ └──────────────────────────────────┘                           │
│                                                                 │
│  Choose "New" to create or "Open" to open an archive      ●     │
└─────────────────────────────────────────────────────────────────┘
```
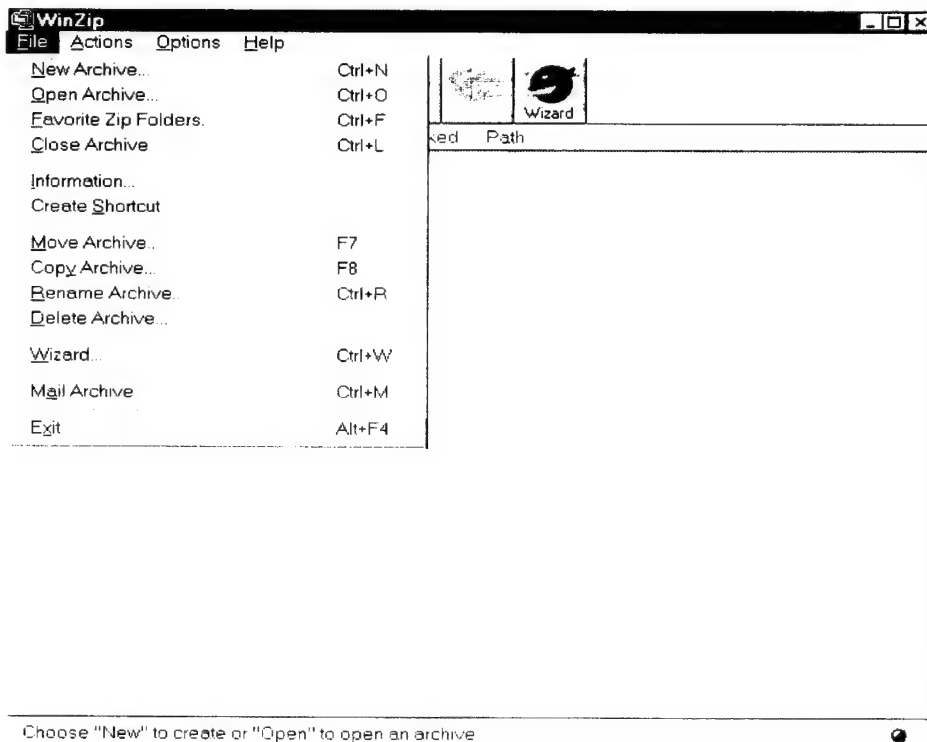
4.1.6 Double-click on the heading file Nhrcmeh.dbf to begin the update.
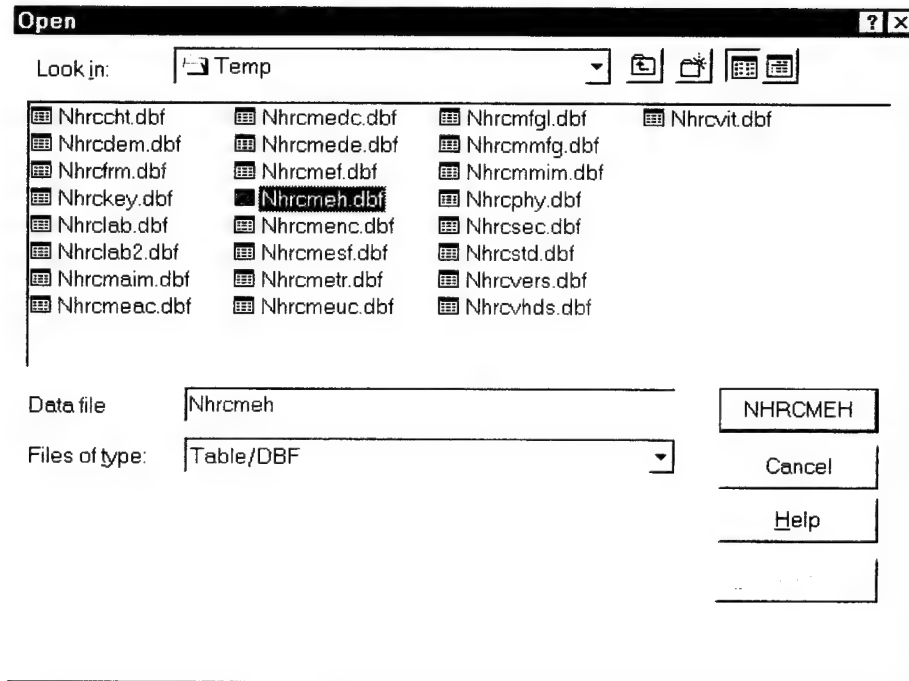
4.1.7 Assigning a Code Page. Some of the databases are written in an older FoxPro format. In that case select code 1252-Windows ANSI then click the Select button to proceed.
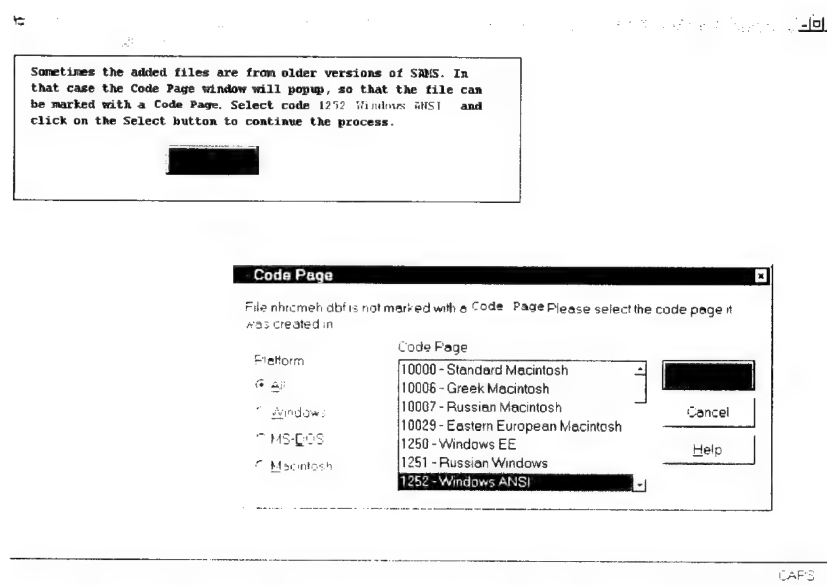
4.1.8 The update takes approximately 5 minutes.
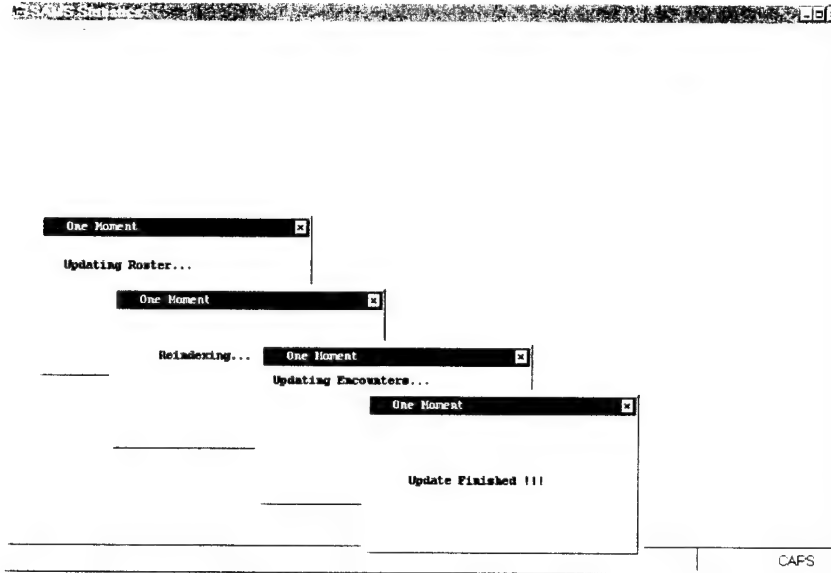
4.2   Query. When this option is chosen a window is opened and the
following prompts are displayed. Currently SAMS EPIWIZ has four
queries. After a query is selected the program combines data from
encounter and demographic files. It then stores this information
into an Excel table. The program then opens Excel so that the
user may create tables, graphs, and charts to meet reporting
requirements.
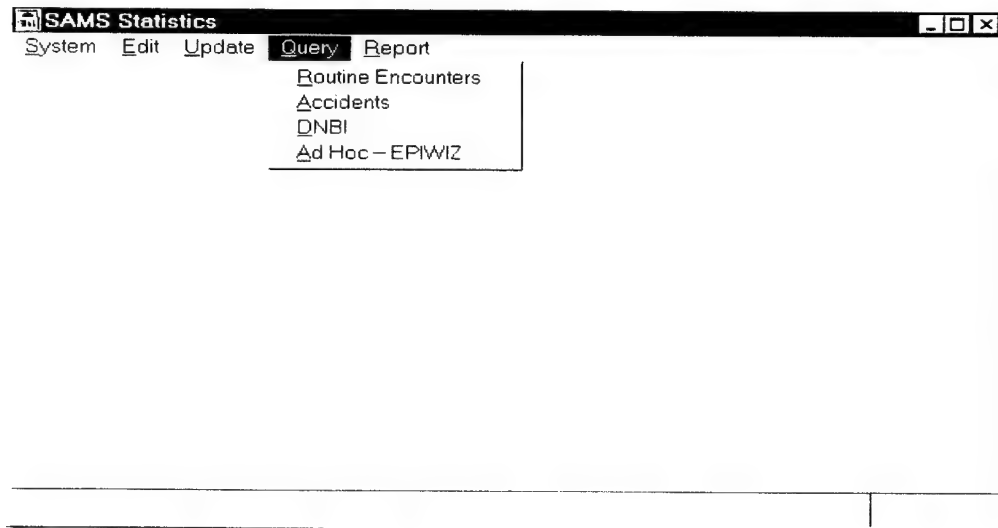
4.2.1. Selecting a query date.

Once one of the queries has been selected, the SAMS EPIWIZ window
will open. Enter the beginning and ending dates for the reporting
period.

Select either

Exit

or

Report

4.2.2 Linking the query to Excel.

4.2.3. Selecting a template.
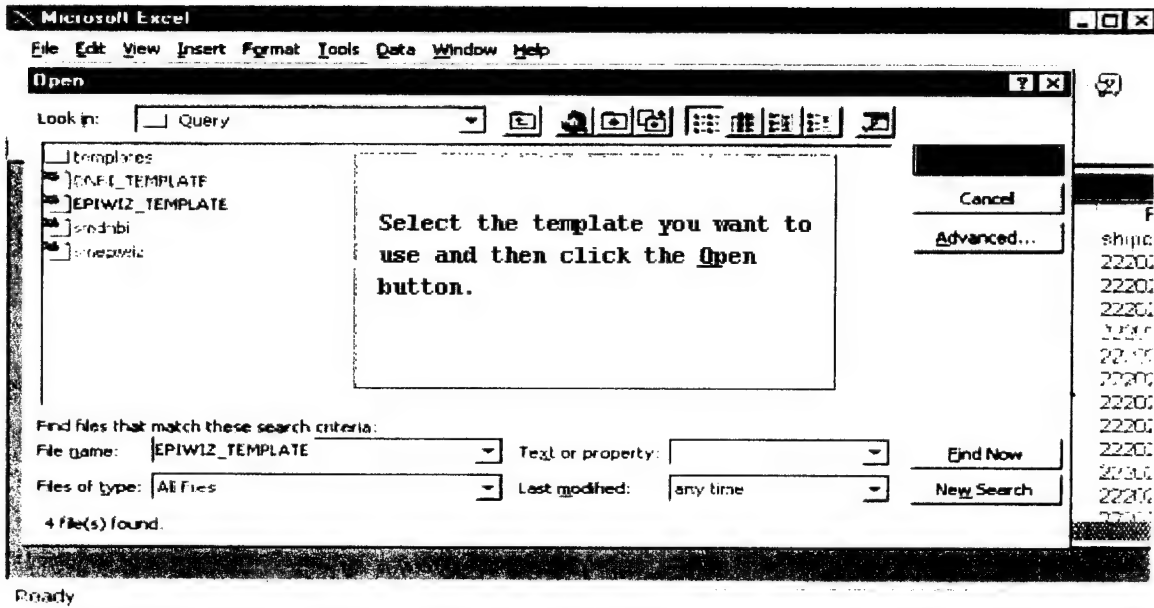
4.2.4 Refreshing the data.
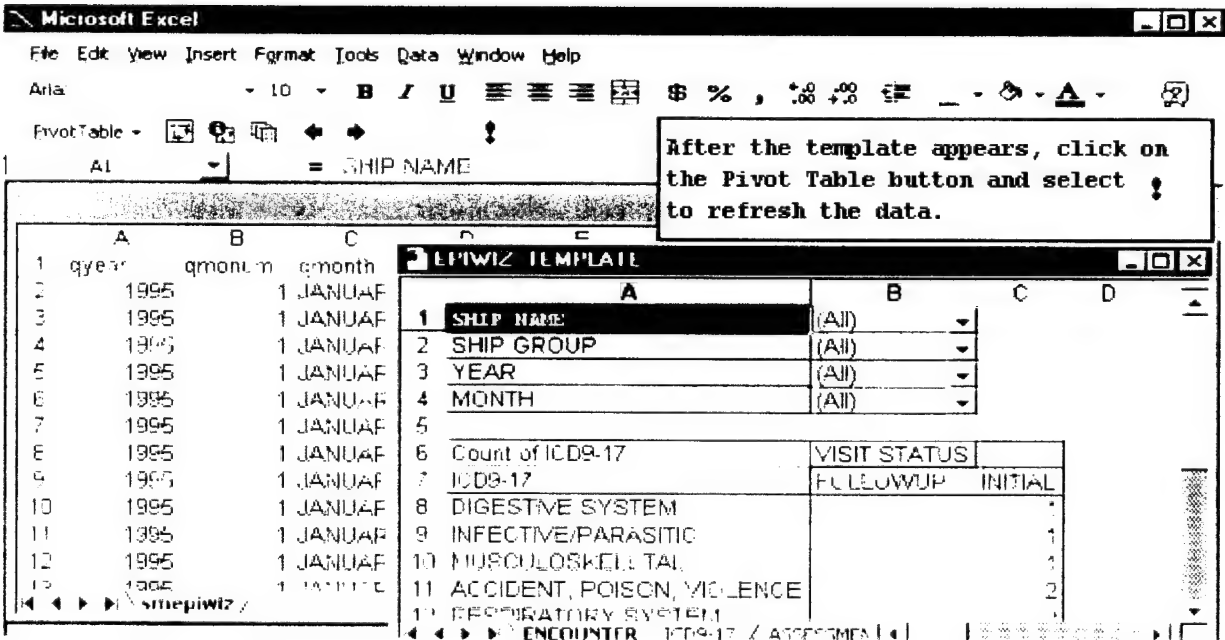
4.2.5. Editing the new information.

	A	B	C	D	E
1	SHIP NAME	USS GRAPPLE (ARS-53)			
2	SHIP GROUP	SALVAGE			
3	YEAR	1996			
4	MONTH	APRIL			
5					
6	Count of ICD9-17	VISIT STATUS			
7	ICD9-17	INITIAL			
8	DIGESTIVE SYSTEM		1		
9	INFECTIVE/PARASITIC		1		
10	ACCIDENT, POISON, VIOLENCE		2		
11	RESPIRATORY SYSTEM		2		
12	UNKNOWN		3		
13	DENOMINATOR		120		
14					

The table will then be updated. Select Save As under the File option and choose a new name for the file.

ENCOUNTER / ICD9-17 / ASSESSMENT /

Ready

4.2.6. Saving the new database.

Save As

Save in: Query

templates
DNBI_TEMPLATE
EPIWIZ_TEMPLATE
smdnbi
smepiwiz

SAVE
Cancel
Options...

1	SHIP NAME
2	SHIP GROU
3	YEAR
4	MONTH
5	
6	Count of ICD
7	ICD9-17
8	DIGESTIVE
9	INFECTIVE/
10	MUSCULOS
11	ACCIDENT,
12	RESPIRATO
13	UNKNOWN
14	DENOMINA

File name: shipname_date

Save as type: Microsoft Excel Workbook

Ready   CAPS
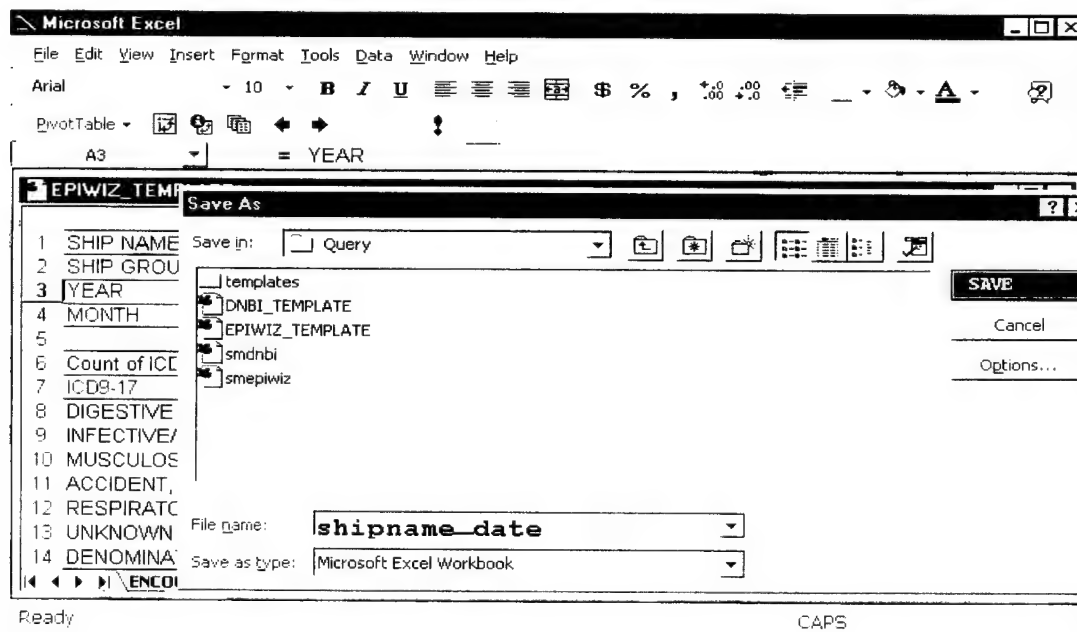
4.2.7. Renaming the file. The file will now be shown with the new given name. To close the file, click on the **X** in the right-hand corner.

4.2.8. Exiting Excel. To close Excel and return to the SAMS EPIWIZ program, click on the **X** in the upper right-hand corner. Do not save the smepiwiz table in an updated version of Excel.

4.3 Reports. There are two reports in SAMS EPIWIZ. Once one of the reports has been selected, the SAMS EPIWIZ window will open. Enter the beginning and ending dates for the reporting period. Select Report to continue or Exit to cancel.

4.3.1 Weekly DNBI Report.

4.3.2. Medical Event Report(6220.12A).

```
┌─────────────────────────────────────────────────────────────────────────────┐
│ 🔝 SAMS Statistics                                                  _ □ ×     │
├─────────────────────────────────────────────────────────────────────────────┤
│ System  File  Edit  Upload Data  Query │ Report │                            │
│                                                                               │
│              ◄┤ ◄ │ ▣ │ ► ►│ │100% ▼│ ◘◄ 🖨                                  │
│  ┌──────────────────────────────────────────────────────────────┐ _ □ ×     │
│  │ 📄 Report Designer - smrme.frx - Page 1                       │      ▲    │
│  │ ┌──────────────────────────────────────────┬──────────────┐ │           │
│  │ │                                           │ To print the report, │      │
│  │ │                                           │ click on the printer │      │
│  │ │                                           │ symbol.       🖨  │ │      │
│  │ │         MEDICAL EVENT REPORT              │              │ │  ┘        │
│  │ │                                           │ To exit without │ │           │
│  │ │                                           │ printing, click on ◘◄│ │      │
│  │ │ Unit Command ────────────────────────────│ the door symbol. │ │         │
│  │ │                                           └──────────────┘ │           │
│  │ │ Dates Covered from  03/01/1995    to 03/31/1995         .   │           │
│  │ │ ───────────────────────────────────────────────────────── │           │
│  │ │   Special Category    Reportable Diseases    Reportable      Count │    │
│  │ │                                              within 24 hrs          │    │
│  │ │ ───────────────────────────────────────────────────────── │           │
│  │ │                                                            │           │
│  │ │                                                            │           │
│  │ │                                                            │           │
│  │ │                                                            │           │
│  │ │                                                            │      ▼    │
│  │ ◄┘                          │                              │ ►│         │
│  │ ─────────────────────── Exclusive ─────────────────────────┤           │
│  └──────────────────────────────────────────────────────────────┘           │
└─────────────────────────────────────────────────────────────────────────────┘
```

Section 5.   WinZip Settings and Errors

5.1. WinZip Settings.   It is important to check the default settings. The following pictures are the recommended Option settings for WinZip.
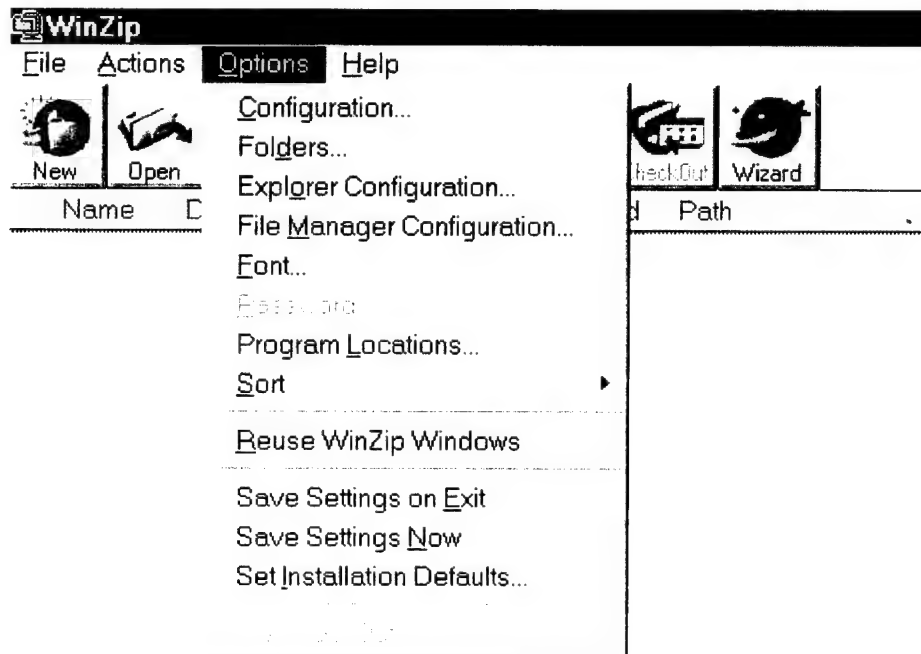
5.1.2. Configuration.

5.1.3. Folders.

```
┌─ Folders ──────────────────────────────────────────── ✕ ┐
│  ┌─ Start-up Folder ──────────────────────┐  ┌──────────────┐ │
│  │  ⦿ System Default                      │  │      OK      │ │
│  │  ○ Last Open Archive                   │  └──────────────┘ │
│  │  ○ Folder:    [                    ] …  │  ┌──────────────┐ │
│  └────────────────────────────────────────┘  │   Cancel     │ │
│  ┌─ Default Extract Folder ───────────────┐  └──────────────┘ │
│  │  ○ Open Archive Folder                 │  ┌──────────────┐ │
│  │  ⦿ Last Extract Folder                 │  │     Help     │ │
│  │  ○ Folder:    [                    ] …  │  └──────────────┘ │
│  └────────────────────────────────────────┘                    │
│    Default Add Folder                                            │
│     ○ Open Archive Folder                                        │
│     ⦿ Last Add Folder                                            │
│     ○ Folder:   [                    ] …                         │
│    Working Folder                                                │
│    [C:\TEMP                            ] …                       │
│     ☑ Use for Removable Media Only                               │
│    Checkout Base Folder                                          │
│    [                                   ] …                       │
│    Temp Folder                                                   │
│    [C:\TEMP\                           ] …                       │
└─────────────────────────────────────────────────────────────────┘
```

5.1.4. Explorer Configuration.

```
┌─ Explorer Configuration ──────────────────────────────── ✕ ┐
│  Recommended setting for first-time users: check all       │  ┌──────────────┐
│  boxes. Press the F1 key for details.                      │  │      OK      │
│                                                            │  └──────────────┘
│  Options                                                   │  ┌──────────────┐
│    ☑ Associate WinZip With Archives                        │  │   Cancel     │
│    ☑ Explorer Shell Extension                              │  └──────────────┘
│    ☑ Non-Cascaded WinZip Context Menu Items                │  ┌──────────────┐
│    ☑ Display Icons On Context Menus                        │  │     Help     │
│    ☑ Include WinZip In Start Menu                          │  └──────────────┘
│    ☑ Include WinZip On Desktop                             │
└─────────────────────────────────────────────────────────────┘
```

5.1.5. File Manager Configuration.

```
┌─────────────────────────────────────────────────────────┐
│ ■ File Manager Configuration                          ☒  │
├─────────────────────────────────────────────────────────┤
│  Recommended setting for first-time users: check the first  ┌─────────┐  │
│  two boxes.  Press the F1 key for details.                  │   OK    │  │
│  ┌─Options ───────────────────────────────────┐            └─────────┘  │
│  │                                             │            ┌─────────┐  │
│  │  ☑ Associate WinZip With Archives           │            │ Cancel  │  │
│  │                                             │            └─────────┘  │
│  │  ☑ Include WinZip In File Manager Menus      │            ┌─────────┐  │
│  │                                             │            │  Help   │  │
│  │  ☐ Start & Stop WinZip With File Manager      │            └─────────┘  │
│  └─────────────────────────────────────────────┘                        │
└─────────────────────────────────────────────────────────┘
```

5.1.6. Exit WinZip.

```
┌────────────────────────────────────────────┐
│ ▐File▌  Actions   Options   Help            │
├────────────────────────────────────────────┤
│    New Archive...                  Ctrl+N   │
│    Open Archive...                 Ctrl+O   │
│    Favorite Zip Folders...         Ctrl+F   │
│    Close Archive                   Ctrl+L   │
│    ────────────────────────────────────    │
│    Information...                           │
│    Create Shortcut                          │
│    ────────────────────────────────────    │
│    Move Archive...                 F7       │
│    Copy Archive...                 F8       │
│    Rename Archive...               Ctrl+R   │
│    Delete Archive...                        │
│    ────────────────────────────────────    │
│    Wizard...                       Ctrl+W   │
│    ────────────────────────────────────    │
│    Mail Archive...                 Ctrl+M   │
│    ────────────────────────────────────    │
│    Exit                            Alt+F4   │
└────────────────────────────────────────────┘
```

5.2. WinZip Error Messages. If the following error is received while running the Update procedures, click Yes button.
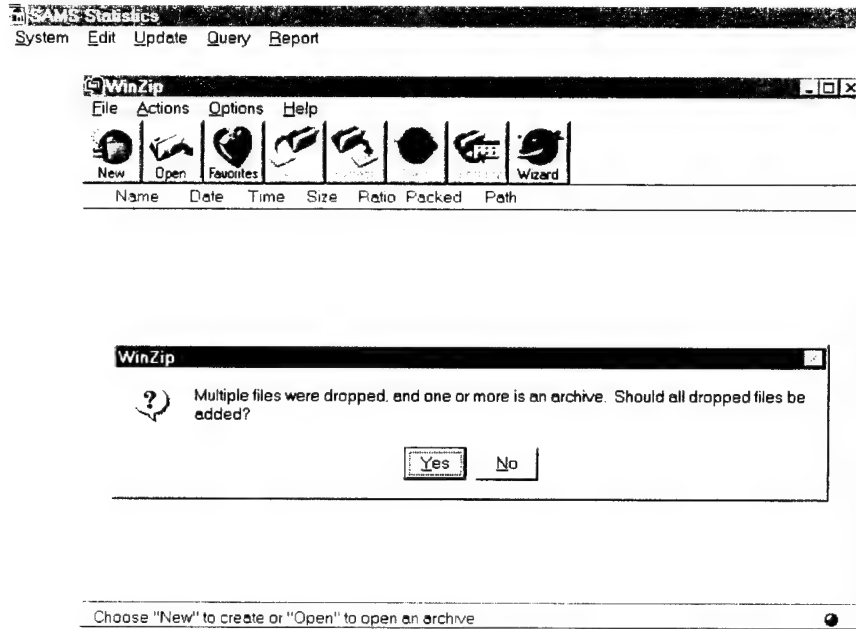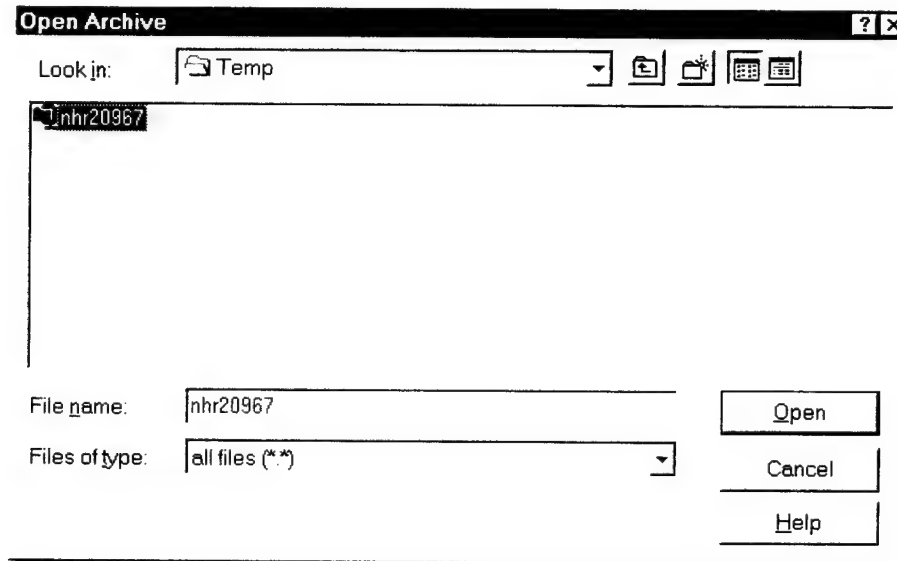

5.2.1. Step 1. After selecting Yes the Add screen will appear. Select Add
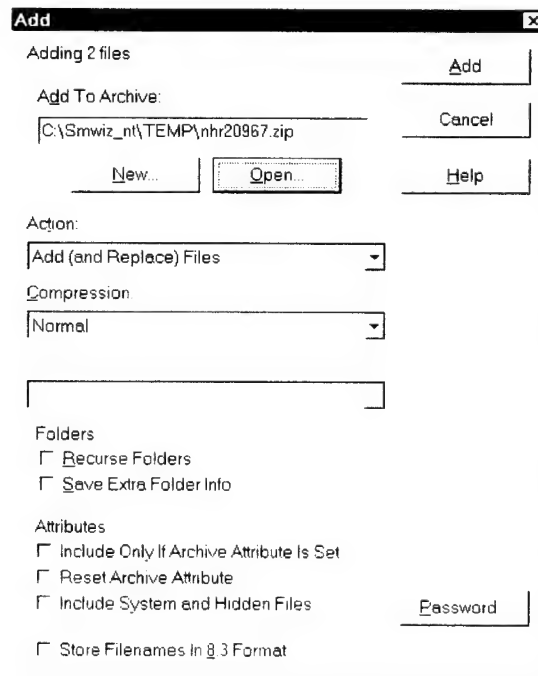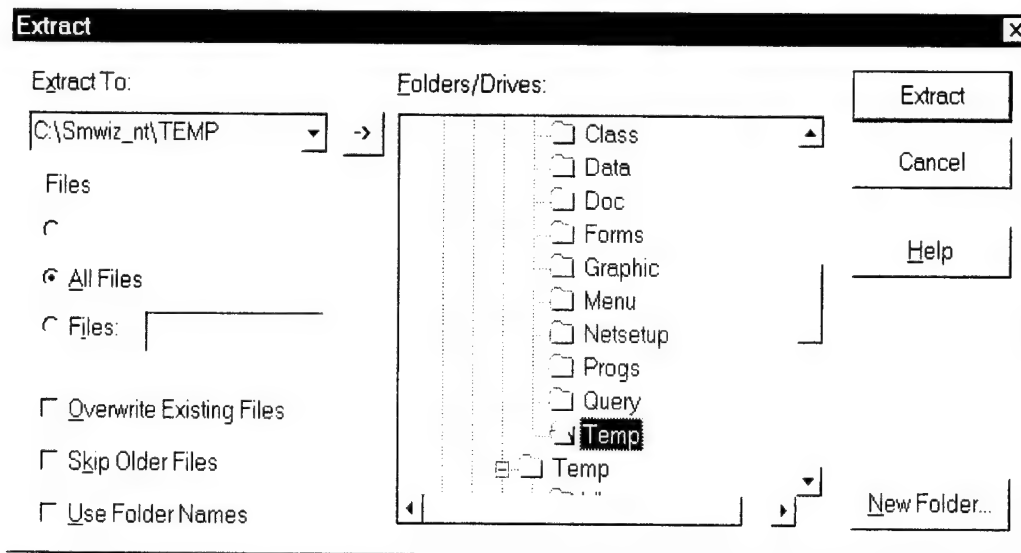
5.2.2. Step 2. The next screen will show the file transferred from the A drive. Select the file and close the window.

Open Archive				? ✕
Look in:	🗀 Temp		▾ 🔼 📑 🏢 📰	

nhr20967

File name:	nhr20967	Open
Files of type:	all files (*.*) ▾	Cancel
		Help

5.2.3. Step 3. Finally the Extract window will appear. Select Extract and continue with the updating process.

Extract		✕

Extract To:

C:\Smwiz_nt\TEMP   ▾   →

Files

○

◉ All Files

○ Files: [   ]

☐ Overwrite Existing Files

☐ Skip Older Files

☐ Use Folder Names

Folders/Drives:

🗀 Class
🗀 Data
🗀 Doc
🗀 Forms
🗀 Graphic
🗀 Menu
🗀 Netsetup
🗀 Progs
🗀 Query
🗀 Temp
└─ 🗀 Temp

Extract

Cancel

Help

New Folder...

Appendix B. Installation Guide

SAMS EPIDEMIOLOGICAL WIZARD
(EPIWIZ)
Installation Guide

Step 1. Install EPIWIZ. Select Setup (setup.exe) on the installation disk. The first screen to appear is the Welcome page. To begin the process, click the Continue button.
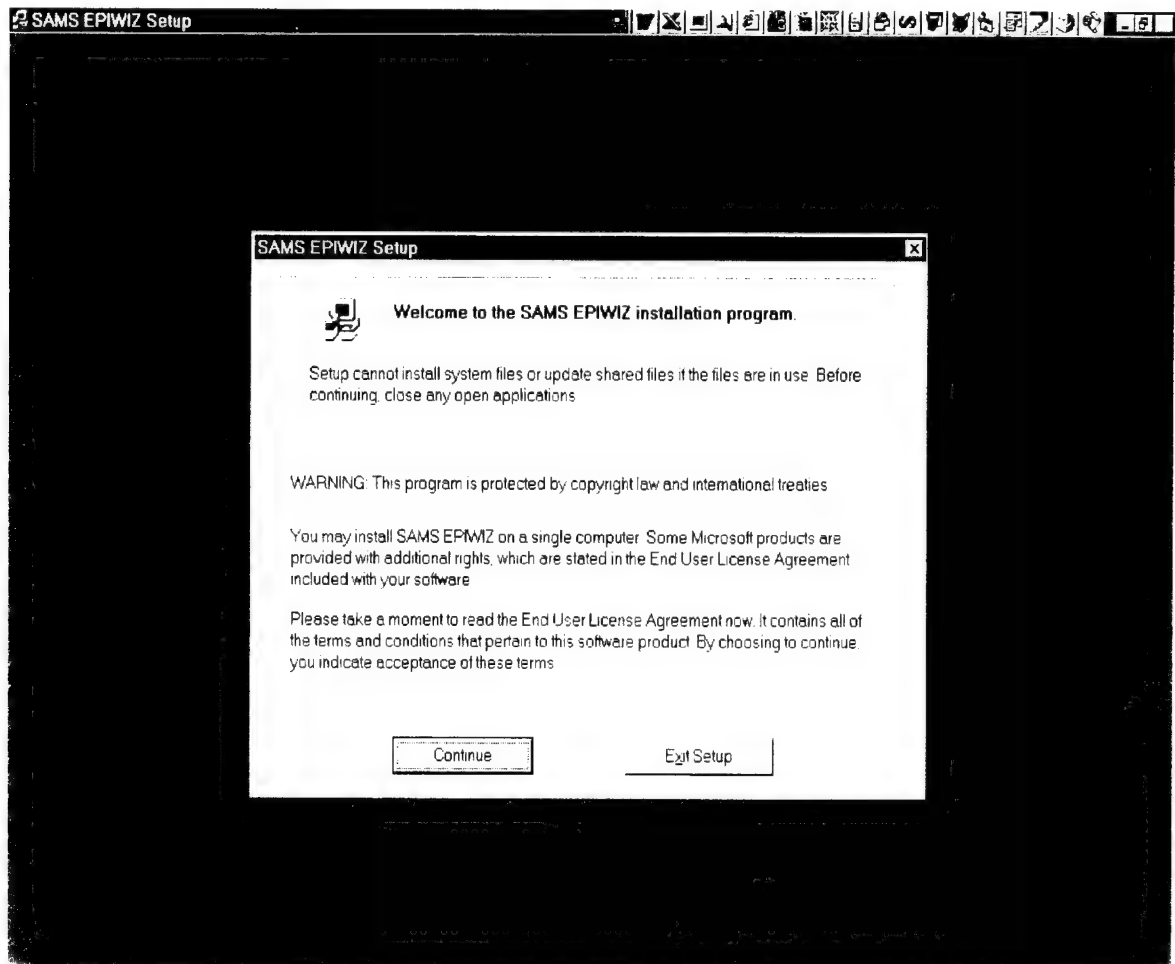
Step 2. Close Office Bar. The program will not continue with the installation until the Office Shotcut Bar is closed. If it is open the following message will appear. After the bar is closed click OK to continue.

Appendix B. Installation Guide
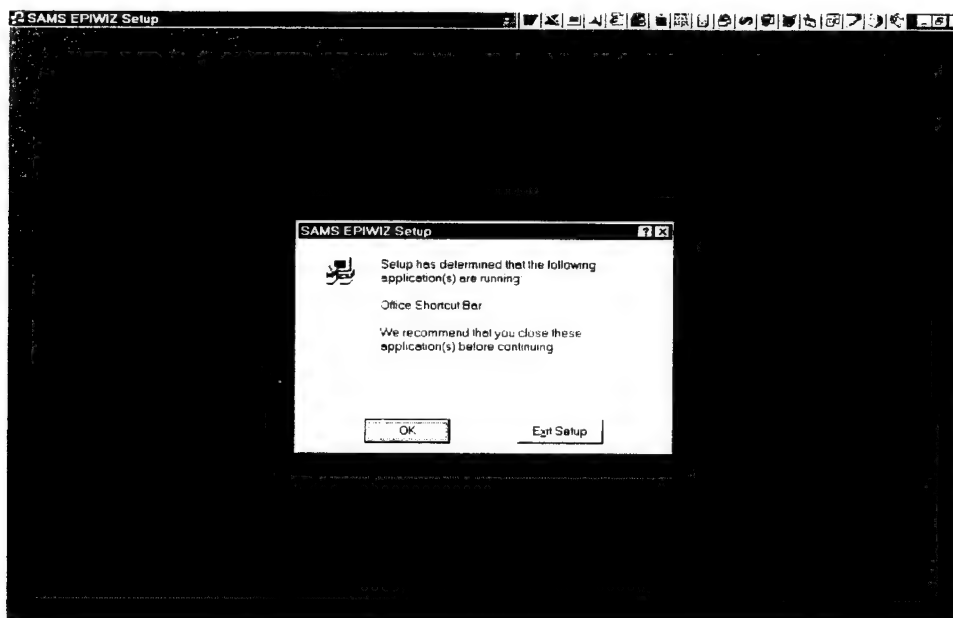
Step 3. Enter Name or Organization. The setup will take the name or organization designated at the time the computer was installed. The name listed below is an example only. This can be edited or accepted. Once the name is completed click OK to continue.
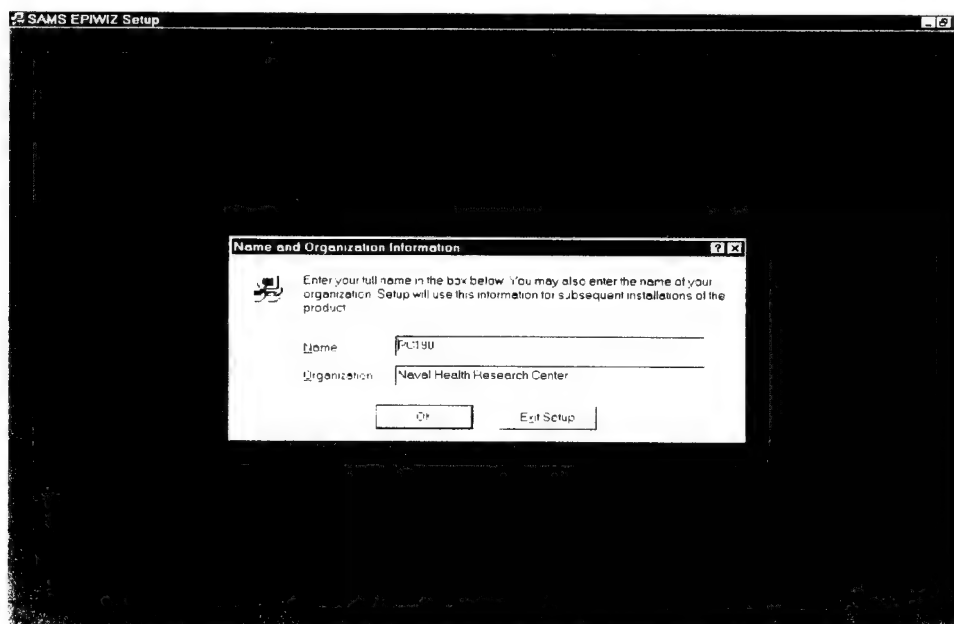
Appendix B.   Installation Guide

Step 4.   Confirm Name or Organization.   To confirm the information click OK.
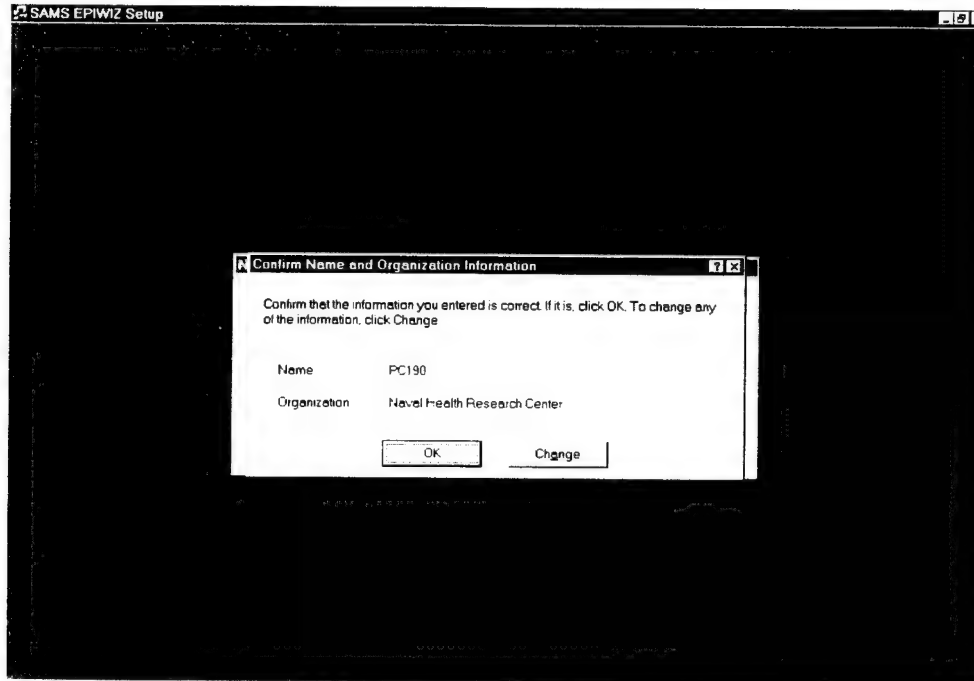
Step 5: Confirm SAMS EPIWIZ Setup destination folder.   The default for EPIWIZ is C:\SMWIZ_NT.   To change the folder click the Change Folder button or click OK to continue with the installation.
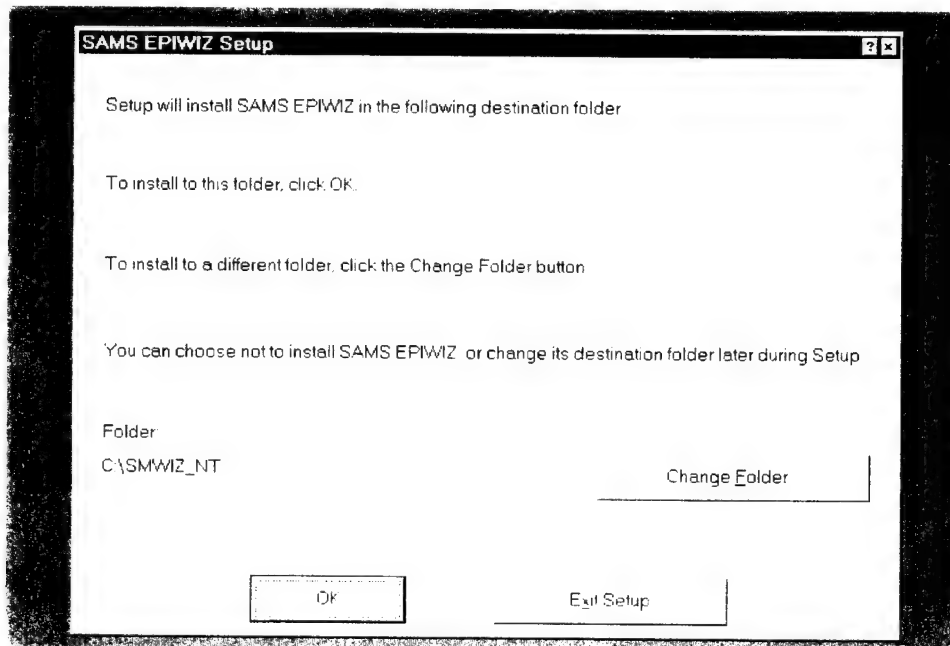
Appendix B. Installation Guide

Step 6: Choose Program Group. A programming Group has already been selected for this package. Do not change it from EPIWIZ. Click the Continue button.
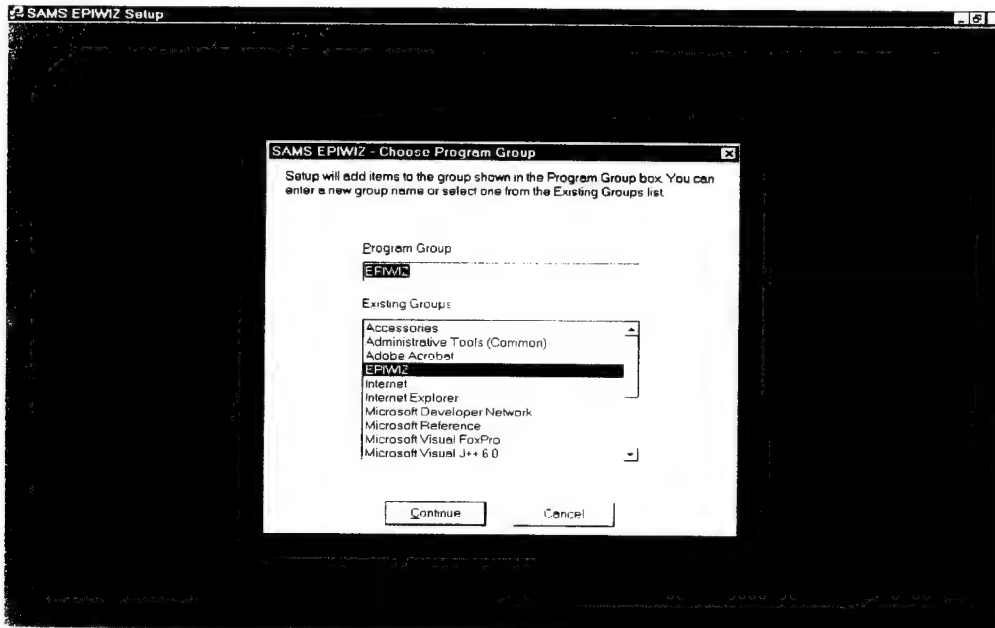
Step 7: Begin the Install. To begin the installation, click on the large monitor icon.
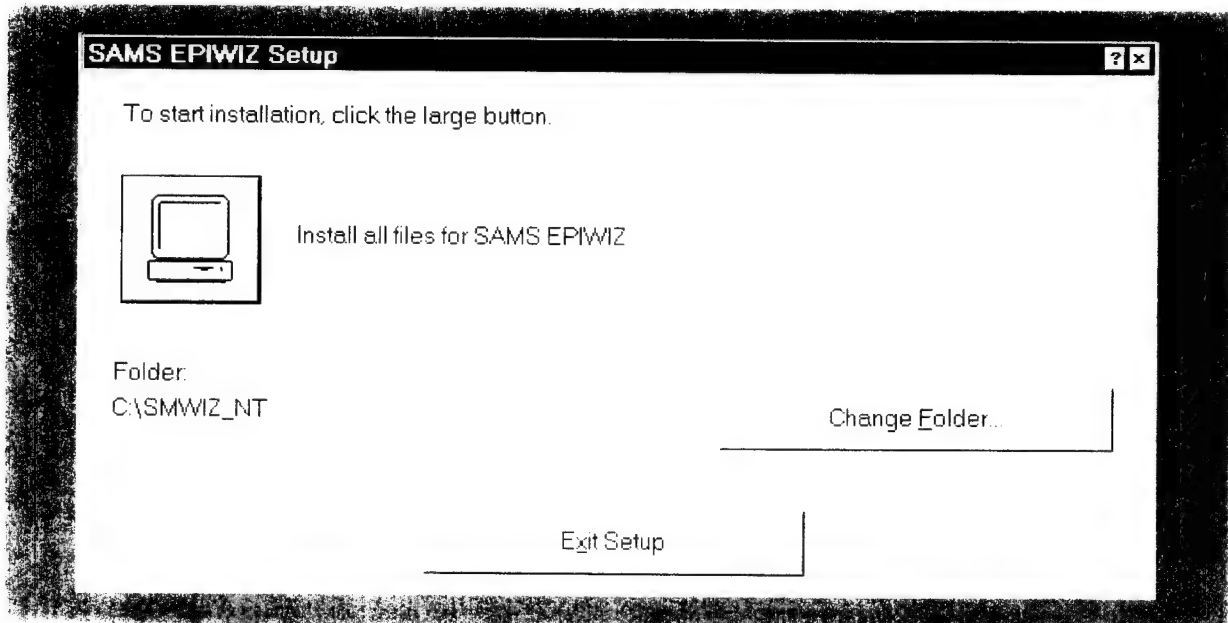
Step 8. Complete Installation. Once all of the files have been stored successfully onto the user's system, the following screen will be
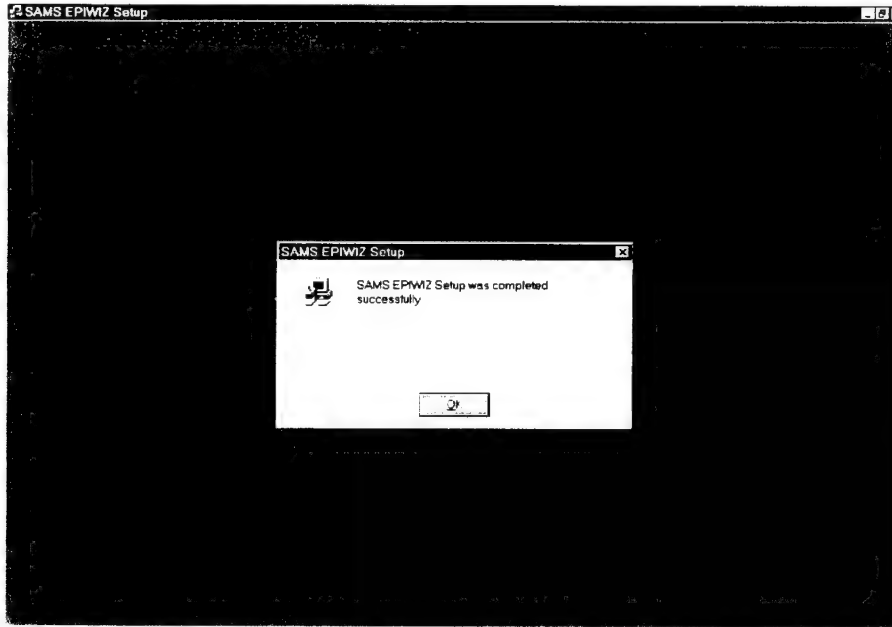
displayed.   Click OK to exit.

Step 9. Create a Desktop Icon.   After the package has been installed, create a desktop icon. Note: the default directory is the SAMS EPIWIZ directory (C:\SMWIZ-NT).   To place an icon on the desktop:
  1. **Click right** on an empty space on your desktop.
  2. Select **New** button.
  3. Select **Shortcut.**
  4. A new screen will open and ask for the location and name of the item. Search for the item (smwiz_nt.exe).
  5. Click the **Next** button.
  6. Select a name for this shortcut. Enter the name you want to call this package (i.e., **SAMS EPIWIZ** or **EPIWIZ**).
 7. Then select **Finished**. The icon is now on the desktop and the package is ready to run.

Step 10.   Open Database Connectivity (ODBC) Object Package.   To run the EPIWIZ program make sure that the Object Package under the Accessories menu for the Windows operating system has been loaded. This can be done by selecting from the operating system CD UPDATE. Do not use full install. Talk to the your system manager if you have any questions.

Appendix C: How to Create an NHRC Diskette

Step1. Click on Modules and select Medical Encounters and under that menu select Create NHRC Diskette.
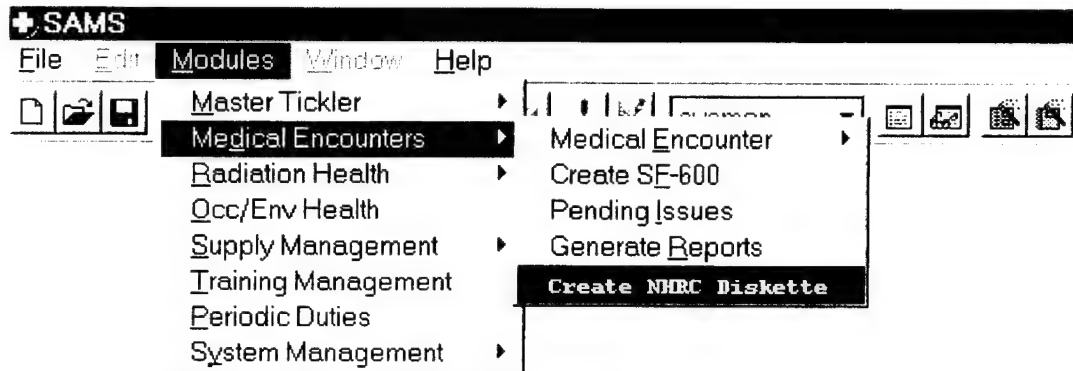
Step 2. Enter date for data collection period. Select drive A and click Enter button or click on OK. Make sure that you have a floppy disk in drive A.
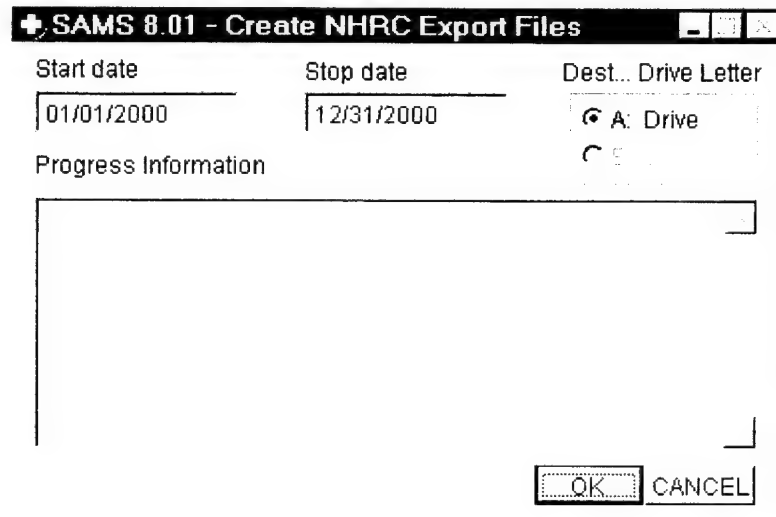
Step 3. Data are loading when this screen appears. It will take approximately 5 minutes to load.

Step 4. Click the OK button.

```
+, SAMS 8.01 - Create NHRC Export Files          _ □ ×

Start date            Stop date            Dest... Drive Letter

01/01/2000            12/31/2000            ⊙ A: Drive
                                            ○ B Drive
Progress Information

┌─────────────────────────────────────────────────────┐ ▲
│ Initializing NHRC Library                             │
│ Creating NHRCKey Data Files                           │
│                                                       │
│ Service member (mkey)  table exported.                │
│ Demographics (mdem)  table exported.                  │
│ Phsicals (mphy)  had nothing to export.               │
│ Monitoring (monitor) had nothing to export.           │
│ Women's Issues (mfem) had nothing to export.          │ ▼
└─────────────────────────────────────────────────────┘

                              │  OK  │ CANCEL│
```

Step 5. If the OK button does not light up, look in the A drive to see if the file has been uploaded. The file name should be "Nhr"+ UIC. Check the size of the file to make sure it is not 0 KB.

```
▧ Exploring - 3½ Floppy (A:)

File   Edit   View   Tools   Help

⊒ 3½ Floppy (A:)              ▼   🔼  📁 📁  ✂ 📋 📋  ↶  ✕ 🗐  🗐 □

All Folders                        Contents of '3½ Floppy (A:)'

🗐 Desktop                    ▲    Name              Size │ Type
⊟ 🖳 My Computer              ─    ▨ Nhr63116.z11    13KB   Z11 F
   ⊞ ⊒ 3½ Floppy (A:)        ▼    ◄

1 object(s) selected         12.3KB
```
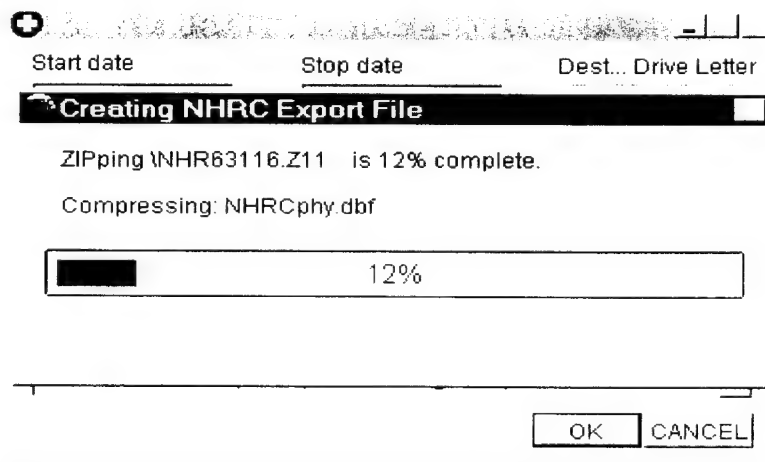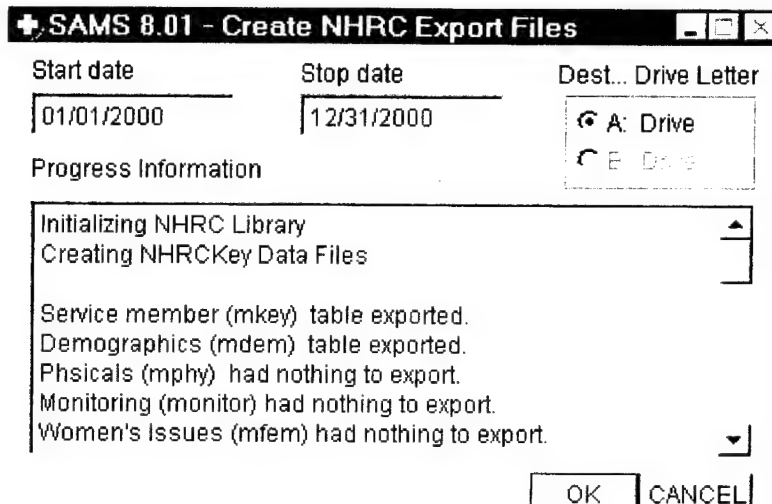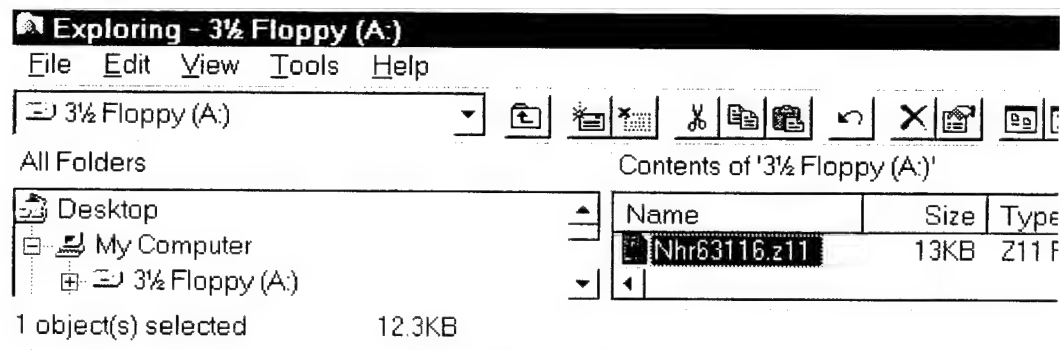
Step 6. If the file has been located and the size of the file is 0 KB, click the CANCEL button and try again. If the size of the file is greater than 0 continue to step 7.

```
+, SAMS 8.01 - Create NHRC Export Files          _ □ □

       Start date            Stop date            Dest... Drive Letter

       12/12/1999            12/11/2000            ⊙ A: Drive
                                                   ○
       Progress Information

       ┌─────────────────────────────────────────────┐ ▲
       │ Initializing NHRC Library                     │
       │ Creating NHRCKey Data Files                   │
       │                                               │
       │ Service member (mkey)  table exported.        │
       │ Demographics (mdem)  table exported.          │
       │ Phsicals (mphy)  had nothing to export.       │
       │ Monitoring (monitor) had nothing to export.   │
       │ Women's Issues (mfem) had nothing to export.  │ ▼
       └─────────────────────────────────────────────┘

                           │        │ ████ │
```

Step 7. Click the Eile menu and select Exit.

Step 8. Send the file to: **COMMANDING OFFICER**
                                NAVAL HEALTH RESEARCH CENTER
                                ATTN: FIELD MEDICAL TECHNOLOGIES, CODE 23
                                POST OFFICE BOX 85122
                                SAN DIEGO CA 92186-5122

Appendix A. Data Reference Tables

CLASS	#	FIELD NAME	CAPTION	TYPE	WD	EXAMPLE	IND	TYPE DE	REFERENCE
SMWIZDB -- ROSTER INDEX (path: data\rostindx.dbf)		QINDX	Query Index	CHARACTER	18		Y		
		ROSINDX	Roster Index	NUMERIC	8		Y		
		QYEAR	Query Year	NUMERIC	8		Y		
		QMONUM	Query Month Number	NUMERIC	3				
		QMONTH	Query Month	CHARACTER	10				
		QUARTER	Quarter	CHARACTER	9		Y		
		AGE	Age	NUMERIC	3				
		AGE1	Age Group 1	CHARACTER	10			TABLE	smluage.dbf
		AGE2	Age Group 2	CHARACTER	10			TABLE	smluage2.dbf
SMWIZDB -- ROSTER (path: data\roster.dbf)	1	SSN	Personal Id	CHARACTER	9	999999999	Y		
	2	DOB	Date of Birth	DATE	8	24-Mar-78			
	3	SEX	Sex	CHARACTER	10	FEMALE		LIST	
	4	RACE	Race	CHARACTER	16	Caucasian		TABLE	smlurace.dbf
	5	RACE_CAT	Race Category	CHARACTER	13	Caucasian		TABLE	smlurace.dbf
		SERVICE	Branch of Service	CHARACTER	4			LIST	
		OFF_ENL_C	Officer/Enlisted/Civilian	CHARACTER	9	Officer		LIST	
		RANK	Rank	CHARACTER	9			TABLE	smlupay.dbf
		GRADE	Pay Grade	CHARACTER	3			TABLE	smlupay.dbf
	6	PAYGRTXT	Pay Grade Text	CHARACTER	27			TABLE	smlupay.dbf
	7	PAYGRP	Pay Grade Group	CHARACTER	10			TABLE	smlupay.dbf
	8	RATE	Pay Rate	CHARACTER	3			TABLE	smlurate.dbf
		RATETXT	Rate Text	CHARACTER	39			TABLE	smlurate.dbf
		RATEGRP	Rate Group	CHARACTER	15			TABLE	smlurate.dbf
	10	DEPARTMEN	Department	CHARACTER	6			TABLE	smludept.dbf
	11	DEPTXT	Department	CHARACTER	19			TABLE	smludept.dbf
	12	DIVISION	Division	CHARACTER	4			FREE TE	FREE TEXT
	13	ISIC	ISIC	CHARACTER	9			FREE TE	FREE TEXT
	14	SHIPCODE	UIC	CHARACTER	8		YES	TABLE	smuic.dbf
	15	SHIP	Ship	CHARACTER	37			TABLE	smuic.dbf
	16	HULL_NUM	Hull Number	CHARACTER	10			TABLE	smuic.dbf
		SHIPTYPE	Ship Type	CHARACTER	7			TABLE	smuic.dbf
		TYPE_DESC	Ship Type Description	CHARACTER	25			TABLE	smuic.dbf
		HOME_PORT	Home Port	CHARACTER	18			TABLE	smuic.dbf
		ARRVDTE	Arrival Date	DATE	8				
		DEPRDTE	Departure Date	DATE	8				
		ARRYEAR	Arrival Year	NUMERIC	8				

Appendix A. Data Reference Tables

CLASS

#	FIELD NAME	CAPTION	TYPE	WD	EXAMPLE	IND TYPE DE REFERENCE
	ARRMONUM	Arrival Month Number	NUMERIC	3		
	ARRMONTH	Arrival Month	CHARACTER	10		
	DEPRYEAR	Departure Year	NUMERIC	8		
	DEPMONUM	Departure Month Num	NUMERIC	3		
	DEPMONTH	Departure Month	CHARACTER	10		
	DEMINDX	Denom Indx	CHARACTER	15		Y
	ROSINDX	Roster Index	NUMERIC	8		Y
	VISIND	Visit Indicator	CHARACTER	1		

CLASS
SMWIZDB -- ENCOUNTER INDE; (path: data\encindx.dbf)

#	FIELD NAME	CAPTION	TYPE	WD	EXAMPLE	IND TYPE DE REFERENCE
	QYEAR	Query Year	NUMERIC	8	1998	Y
	QUARTER	Quarter	CHARACTER	9		Y

CLASS
SMWIZDB -- ENCOUNTER (path: data\encount.dbf)

ENCOUNTER Path -- data\encount.dbf

#	FIELD NAME	CAPTION	TYPE	WD	EXAMPLE	IND TYPE DE REFERENCE
	SSN	Encounter ID	CHARACTER	9	111111111	Y
	QINDX	Query Index	CHARACTER	17	111111111_1998_7	Y
	SHIPCODE	UIC	CHARACTER	8	20587	Y
	AGE	Age	NUMERIC	3	26	
	AGE1	Age Group	CHARACTER	10	25-34	
	AGE2	Age Group 2	CHARACTER	10	25-29	
	ENCDATE	Encounter Date	DATE	8	15-Jul-98	Y
	QYEAR	Encounter Year	NUMERIC	8	1998	
	QMONUM	Month Index	NUMERIC	3	7	
	QMONTH	Encounter Month	CHARACTER	10	JULY	
	QUARTER	Quarter	CHARACTER	9		Y
	ENCTYPE	Encounter Type	CHARACTER	15	ROUTINE	
	ENCTNBR	Encounter Number	NUMERIC	3	2	
	VISITNUM	Visit Number	NUMERIC	1	0	
	VISITSTAT	Visit Status	CHARACTER	10		
	DISPTYP	Disposition	CHARACTER	15		
	ESTDAY	Estimated Days Off	NUMERIC	3	0	
	ICD93	ICD9 (3 digit)	CHARACTER	5		
	ICD95	ICD9 (5 digit)	CHARACTER	5		
	DXTXT	Diagnosis Text	CHARACTER	61		
	CLTXT1	Diagnosis Class (17)	CHARACTER	28		
	GRPTXT	Diagnosis Group (90)	CHARACTER	41		

Appendix A. Data Reference Tables

CLASS

#	FIELD NAME	CAPTION	TYPE	WD	EXAMPLE	IND	TYPE DE REFERENCE
	REPORTABL	Reportable Diseases	CHARACTER	55			
	RPT24	Report Within 24 Hrs.	CHARACTER	1			
	SPECIAL_CA	Special Category	CHARACTER	46			
	DNBICAT	DNBI Category	CHARACTER	30			
	ASSESSMEN	Assessment	CHARACTER	30			
	EVAC	Evacuated?	CHARACTER	1	N		
	EVACDATE	Evacuation Date	DATE	8	- -		
	ACCIDENT	Accident	CHARACTER	15	NO		
	INCDATE	Accident Date	DATE	8	- -		
	ICLOCTN	Accident Location	CHARACTER	40			
	COMPLAINT	Complaint	CHARACTER	80			
	CIRCUM1	Circumstances	CHARACTER	79			
	DUTY	On/Off Duty	CHARACTER	15			
	AFLOAT	Afloat/Ashore	CHARACTER	10			
	SFYHZIN	Safety Hazard	CHARACTER	20			
	MVBI	Motor Vehicle/Battle In	CHARACTER	15			
	DISABLE	Disability	CHARACTER	20			
	LOSSDAY	Approx. Days Lost	NUMERIC	3	0		
	RETURND	Date Returned to Duty	DATE	8	- -		
	SUBCON1	Substance 1	CHARACTER	15			
	SUBCON2	Substance 2	CHARACTER	15			
	SUBCON3	Substance 3	CHARACTER	15			
	SUBCON4	Substance 4	CHARACTER	15			
	SUBCON5	Substance 5	CHARACTER	15			
	SUBCON6	Substance 6	CHARACTER	15			
	SUBCON7	Substance 7	CHARACTER	15			
	SUBCON8	Substance 8	CHARACTER	15			
	SUBCON9	Substance 9	CHARACTER	15			
	UNDINF1	Under the Influence 1	CHARACTER	15			
	UNDINF2	Under the Influence 2	CHARACTER	15			
	UNDINF3	Under the Influence 3	CHARACTER	15			
	UNDINF4	Under the Influence 4	CHARACTER	15			
	UNDINF5	Under the Influence 5	CHARACTER	15			
	UNDINF6	Under the Influence 6	CHARACTER	15			
	UIOTHER	Under the Influence Ot	CHARACTER	20			
	UIOTHR2	Under the Influence Ot	CHARACTER	79			

Appendix A. Data Reference Tables

CLASS

#	FIELD NAME	CAPTION	TYPE	WD	EXAMPLE	IND TYPE DE REFERENCE
	ENCHECK	Encounter Check	CHARACTER	30	043745794_07/15/1998_2	
	LITEDAYS	Light duty days	NUMERIC	6	0	
	LOSTDAYS	Lost work days	NUMERIC	6	0	
	ADMITS	Admits	NUMERIC	6	0	
	DNBIGR	DNBI Group	NUMERIC	3	0	
	SHIPYEAR	Ship Year	CHARACTER	15	20587_1998	
	COMMENT	Accident Comments	CHARACTER	80		

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14. ABSTRACT (maximum 200 words)
Medical surveillance is a critical component of force health protection and is a key factor in maintaining a high state of operational readiness. Naval personnel, such as hospital corpsmen, doctors, epidemiologists, conducting surveillance need up-to-date information regarding disease and injury trends. Aboard Navy ships, these critical medical data are entered into the Shipboard Non-Tactical ADP Program (SNAP) Automated Medical System (SAMS) database. The primary objective of this project is to enhance the medical surveillance capability of SAMS by providing easy access to this information in order to monitor trends, prevent diseases, facilitate reporting, and enhance medical outcomes. Researchers at Naval Health Research Center have developed Epidemiological Wizard (EPIWIZ), a computer program that acts as a technology bridge by extracting data residing in SAMS and transferring these data into Microsoft Excel® software for analysis. EPIWIZ allows the user to generate summary reports used for detecting illness/injury trends. Furthermore, this clinical data analysis tools does not demand any new data entry requirements from the hospital corpsmen since EPIWIZ uses the same information collected during medical examinations.

15. SUBJECT TERMS

16. SECURITY CLASSIFICATION OF:

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UNCL	UNCL	UNCL

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